

1. A method of correcting incorrect text associated with recognition errors
2. in computer-implemented speech recognition, comprising:
3. performing speech recognition on an utterance to produce a recognition
4. result for the utterance;
5. identifying a correction command in the recognition result for the utterance;
6. and
7. producing corrected text from a portion of the recognition result for the
8. utterance.

1. 2. The method of claim 1, further comprising replacing previously-
generated incorrect text with the corrected text.

1. 2. 3. The method of claim 1, wherein the step of producing corrected text
includes searching a dictionary using the portion of the recognition result.

1. 2. 3. 4. The method of claim 1, wherein the step of producing corrected text
comprises producing corrected text from a portion of the recognition result for the
utterance and from a recognition result for a second utterance.

1. 2. 5. The method of claim 4, wherein the second utterance precedes the first
utterance.

1. 2. 6. The method of claim 4, wherein the second utterance follows the first
utterance.

1. 2. 3. 7. The method of claim 1, wherein the correction command indicates that
the portion of the recognition result comprises a pronunciation of a word to be
corrected.

1 ~~1 A3~~
2 ~~2 B2~~
3 8. The method of claim 7, wherein the step of producing corrected text
comprises using confused pronunciation matching to identify text corresponding to the
pronunciation.

1 ~~10~~
2 9. The method of claim 8, wherein the confused pronunciation matching
comprises using the pronunciation to search a confused pronunciation dictionary.

1 ~~11~~
2 9. The method of claim 8, wherein the confused pronunciation matching
comprises using the pronunciation to search a pronunciation dictionary for confused
pronunciation matches.

1 ~~12~~
2 9. The method of claim 8, wherein the confused pronunciation matching
comprises using a phonetic tree to search a pronunciation dictionary.

1 ~~12~~
2 3. The method of claim 2, further comprising automatically selecting the
previously-generated incorrect text to be replaced.

1 ~~13~~
2 3. The method of claim 12, wherein the step of automatically selecting
comprising re-recognizing previously-recognized speech corresponding to the
previously-generated incorrect text using the corrected text.

1 ~~14~~
2 9. The method of claim 8, further comprising generating a list of
confused pronunciation matches and identifying the corrected text as a selection from
the list of confused pronunciation matches.

1 ~~14~~
2 13. The method of claim 14, further comprising using the list of confused
pronunciation matches to re-recognize previously-recognized speech so as to determine
the corrected text.

15

1 16. The method of claim 14, further comprising displaying text
2 corresponding to the list of confused pronunciation matches to a user and obtaining the
3 selection from the user.

1 17. The method of claim 1, wherein the correction command indicates that
2 the portion of the recognition result comprises a spelling of a word to be corrected.

1 18. The method of claim 17, wherein the step of producing the corrected
2 text comprises using confused spelling matching to identify the text corresponding to
3 the spelling.

1 19. The method of claim 18, wherein the confused spelling matching
2 comprises using the spelling to search a confused spelling dictionary.

1 20. The method of claim 18, wherein the confused spelling matching
2 comprises using the spelling to search a spelling dictionary for confused spelling
3 matches.

1 21. The method of claim 18, further comprising generating a list of
2 confused spelling matches and identifying the text corresponding to the spelling as a
3 selection from the list of confused spelling matches.

1 22. The method of claim 21, further comprising using the list of confused
2 spelling matches to re-recognize previously-recognized speech so as to determine the
3 corrected text.

1 23. The method of claim 21, further comprising displaying the list of
2 confused spelling matches to a user and obtaining the selection from the user.

1 *JMK AS*
2 24. The method of claim 1, the method further comprises:
3 using an active vocabulary when performing speech recognition,
4 using a backup dictionary when producing the corrected text, and
5 if the active vocabulary does not contain the corrected text, adding the
corrected text to the active vocabulary.

1 *JMK*
2 25. A method for recognizing a spelling of a word in computer-
3 implemented speech recognition, comprising:
4 performing speech recognition on an utterance to produce recognition
5 results;
6 identifying a spelling command in the recognition results, wherein the
7 spelling command indicates that a portion of the utterance comprises a spelling;
8 producing the spelling by searching a dictionary using the recognition
results.

1 26. The method of claim 25, wherein the step of producing the spelling
2 comprises using confused spelling matching to identify the text corresponding to the
3 spelling.

1 *JMK BY*
2 27. The method of claim 26, wherein the dictionary is a confused spelling
3 dictionary and the confused spelling matching comprises using the spelling to search
the confused spelling dictionary.

1 *JMK JF*
2 28. The method of claim 25, wherein the dictionary is a spelling dictionary
3 and the confused spelling matching comprises using the spelling to search the spelling
dictionary for confused spelling matches.

- 17
~~29~~
- 1 29. The method of claim ~~25~~, further comprising generating a list of
2 confused spelling matches and identifying the text corresponding to the spelling as a
3 selection from the list of confused spelling matches.
- 1 ~~29~~ 20. The method of claim ~~29~~, further comprising displaying the list of
2 confused spelling matches to a user and obtaining the selection from the user.

20090116220800